Form and function, not to mention Blu-ray Disc™ entertainment

EVERYDAY PC PERFORMANCE

Enjoy the performance of the Intel® Core™ 2 Duo T5800 processor (2.0GHz[1]) with 4GB of pre-installed memory.

Pre-installed with Genuine Microsoft® Windows Vista® Home Premium 64-bit[16].

Work and play online from almost anywhere within your home or on-the-go using 802.11a/b/g/n integrated wireless LAN technology[3].

Store virtually all of your data on a roomy 250GB[2] (5400rpm) Serial ATA hard disk drive .

MULTIMEDIA ENTERTAINMENT

15.4" widescreen[6] with XBRITE-ECO™ LCD technology delivers razor-sharp details and bold colors.

Watch Blu-ray Disc™ movies[5] in crystal clear resolution.

Communicate with family, friends and colleagues using the built-in webcam[4].

Editing digital video and digital images is quick and easy with VAIO® Movie Story software. You choose the supplied template and professional-looking cutaways, cross-fades and soundtrack syncing are automatically done for you.

STYLISH YET FUNCTIONAL DESIGN

Clean lines, a textured exterior, a rich Nightfall Blue hue and an aesthetic yet functional design give this notebook a very contemporary look and feel.

Connect to useful peripherals with 4 conveniently located USB ports

The 15.4"[6] VAIO® NS notebook with Blu-ray Disc™ technology[5] exemplifies contemporary style in an easy-to-handle mobile PC. With such great performance features as an available Intel® Core™ 2 Duo processor, built-in webcam[4] and 4GB of RAM, the VAIO® NS notebook is a great PC for all your day-to-day computing and entertainment endeavors.

Intel Centrino Performance to go

Windows Vista Home Premium

Blu-ray Disc™

802.11 WiFi CERTIFIED

XBRITE-ECO™

dlna CERTIFIED

RoHS COMPLIANT

ENERGY STAR

VGN-NS190J/L

VAIO® NS Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Portable
Action Buttons: AV Mode, Mute
Pointing Device: Electro-Static touch pad

Hardware

Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in 1.3 megapixel MOTION EYE® camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T5800
Speed: 2.0GHz[1]
Front Side Bus Speed: 800MHz
L2 Cache: 2MB
Technology: Intel® Centrino® processor technology

Memory

Type: DDR2
Installed: 4GB PC2-6400 (2GBx2)
Maximum: 4GB
Speed: 800MHz

Hard Drive

Capacity: 250GB[2]
Speed: 5400rpm
Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 4x max
DVD+R Write: 8x max
DVD+RW Write: 8x max
DVD-R Write: 8x max
DVD-RW Write: 6x max
CD-R Write: 24x max
CD-RW Write: 16x max
CD Read: 24x max
DVD Read: 8x max
DVD-RAM Write: 5x max
DVD-R DL Write: 4x max
BD-R Read: 4x max
BD-ROM Read: 4x max
BD-RE Read: 2x max
BD-R DL Read: 2x max
DVD-RAM Read: 5x max
Blu-Ray Disc™ Support: Yes[5] (Read Only) (BD-ROM/DVD±R DL/DVD±RW/RAM)
BD-RE DL Read: 2x max

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (Standard/Duo) media slot with MagicGate® functionality
One ExpressCard® /34 slot
One Secure Digital (SD™ memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 15.4"[6]
Resolution: 1280 x 800
XBRITE-ECO™ Technology: Yes
Technology: WXGA

Graphics

Processor: Mobile Intel® Graphics Media Accelerator 4500MHD with Intel® Clear Video Technology with Total Available Graphics Memory of 1750MB (max.)[10]
Chipset: Intel® GM45 Express Chipset
Interface: VGA out with Smart Display Sensor

Inputs and Outputs

Headphone Jack: 1
Modem Jack: 1
Microphone Input: 1
USB Port(s): 4 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[9]
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T
Ethernet Speed: Fast Ethernet (RJ-45)
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® WiFi Link 5100AGN (802.11a/b/g/n)[3]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS13/B)
Estimated Battery Life: 1.5-4.0 hours[11] Standard Capacity Battery
2.0-5.5 hours[11] Large Capacity Battery
Power Requirements: 95W + 10%

Software

Operating System: Genuine Microsoft® Windows Vista® Home Premium 64-bit[16]
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Anti-Virus and Recovery Software: Microsoft® Windows Live™ OneCare™ Trial Version[15]
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[14]
The VAIO® Software Experience: Click to Disc Editor - Import, Edit, Burn
VAIO® Movie Story - Simplel Movie Creation
VAIO® MusicBox - Music by Mood
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[13]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 year limited warranty[12]. See actual warranty for details.

Environmental Information

RoHS®: Compliant
For more information: www.sony.com/recycle

Regulation and Standard Compliance

Energy Star® Compliant: 4.0

Dimensions

Weight: 6.4 lbs[7] (with standard battery)
Measurements: 14.18"(W) x 1.24-1.5"(H) x 10.63"(D)[7,8]

Supplied Accessories

Standard Lithium-ion battery (VGP-BPS13/B)
AC Adapter
Power Cord

Optional Accessories

Large Capacity Battery (VGP-BPL13)
Additional Standard Lithium-ion Battery (VGP-BPS13A/B)
Stick AC Adapter (VGP-AC19V30)
USB Optical Mouse(VGP-UMS55/L)
USB Portable Speaker (VGP-USP1)
Neoprene Notebook and AC Adapter Case (VGP-AMC3)
Notebook Backpack (VGP-CCP3/H)
Sport Backpack (VGP-CCP4/L)

Color: Nightfall Blue
UPC Code: 27242752016

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Broadband Internet service required along with third party services which may require a subscription or other service fee.
5. Certain circumstances may limit/prevent Blu-ray Disc™ media playback. For optimal performance, download all updates from http://esupport.sony.com/EN/DRIVERS.
6. Viewable area measured diagonally.
7. Non-metric weights and measures are approximate and may vary.
8. Measured at the narrowest point
9. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
10. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
11. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
12. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
13. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor.
14. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you don't activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
15. Microsoft® Windows Live™ OneCare™ Trial Version – This trial software will work for ninety (90) days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 90-day trial period, you must buy a subscription. You can subscribe online by following the conversion instructions presented during setup and paying the required fees.
16. Compatibility and performance in a 64 bit environment may vary. Check with the manufacturer of your software or accessory to ensure you have the latest updates.

Computer Interface: For this product,there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
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